

SR-12 Environmental Study

ESCALANTE TO BOULDER

Welcome to the SR-12 Environmental Study Public Meeting



SR-12 Environmental Study

ESCALANTE TO BOULDER

Meet the traffic demands

Enhance experiences

Make sure the right thing gets done

Comprehensive approach

Maintain character of the road

A safe and even more beautiful road

Travel safety across

Honor the history and culture of the communities

A project the communities are proud of

The best for the community

Maintain visual appeal

Some improvements

Maintain SR-12 as the life-blood of the county

Don't change the road too much

Addresses the vision of each group

Do only what is absolutely necessary

Make a little safer

Contribute to a future for the young

Grow to fit increasing traffic

Take time to do it better



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ESCALANTE TO BOULDER

Creamery Route

Awe

Quiet

Tribal Culture

Canyons

Ranchers

Quality of Light

History

Museum

Beautiful

Big

More than a Road

Country Solitude



The Context of the SR-12 area



Slow

Archaeology

**Walk to
Experience**

Tourism

Emotional

Dangerous

Scenic

Experience

Mule Trails

See . . . So Far

Speechless

Mountains

Home

Petroglyphs

Great Driving

Cultural Values



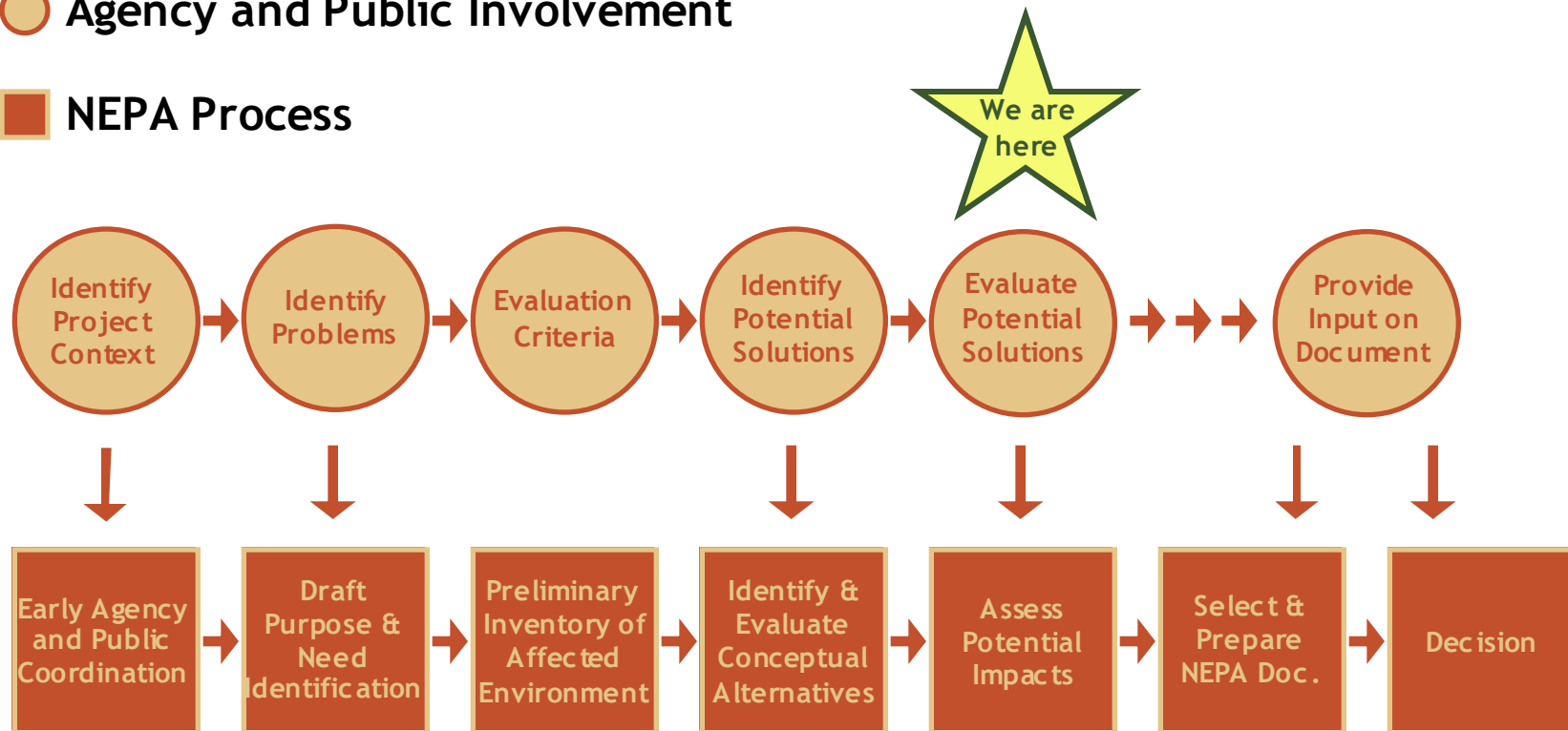
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SR-12 Project Approach

○ Agency and Public Involvement

■ NEPA Process



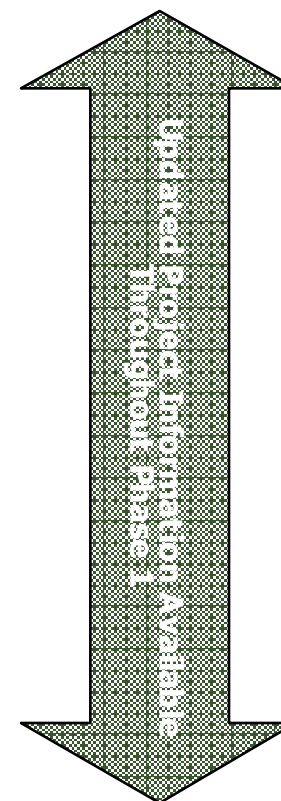
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Phase I Schedule

August 2004 - February 2006

<u>Schedule</u>	<u>Major Tasks</u>	<u>Public Involvement Meetings</u>
Aug – Nov 04	Summarize Past Study Information and Conduct Agency Scoping Meetings	Public Meeting October 2004
Nov 04 – Apr 05	Identify Existing Conditions and Environmental Resources	CSC Meeting February 2005
Apr – July 05	Develop a Needs Assessment Report	Public / CSC Meetings April 2005
Aug 05 – Feb 06	Identify & Develop Conceptual Solutions and a Conceptual Solutions Report	CSC Meeting June 2005
		Public / CSC Meetings August 2005
		CSC Meetings November 2005
		Public Meeting February 2006



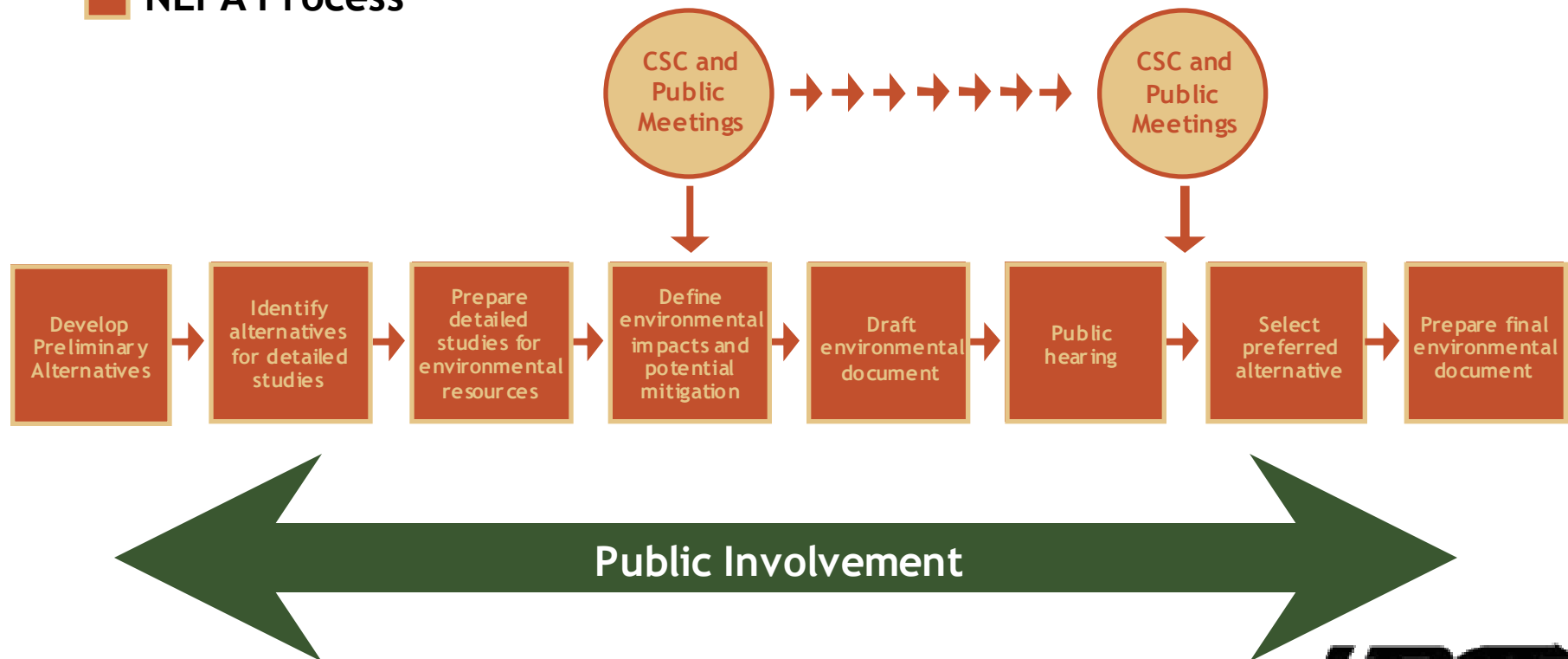
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SR-12 Project Milestones: Phase II

○ Context Sensitive Committee/Public Meetings

■ NEPA Process



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Context Sensitive Objectives

Project Vision Defined by CSC	Context Sensitive Objectives
<ul style="list-style-type: none">▪ A project communities are proud of▪ The best for the community▪ Maintain SR-12 as the life blood of the community▪ Contribute to a future for the young▪ Honor the history and culture of the communities	<ul style="list-style-type: none">▪ Preserve the history▪ Contribute to the economics and the culture of the community
<ul style="list-style-type: none">▪ Meet the traffic demands▪ Grow to fit increasing traffic▪ Some improvements▪ Make a little safer▪ Travel safely across▪ A safe and more beautiful road	<ul style="list-style-type: none">▪ Meet the varied transportation needs▪ Improve safety
<ul style="list-style-type: none">▪ Do only what is absolutely necessary▪ Limit changes▪ Prevent conflicting uses in the area	<ul style="list-style-type: none">▪ Meet the needs of the natural environment
<ul style="list-style-type: none">▪ Maintain character of the road▪ Enhance experiences	<ul style="list-style-type: none">▪ Maintain the character of the road
<ul style="list-style-type: none">▪ Maintain visual appeal	<ul style="list-style-type: none">▪ Maintain and enhance the visual appeal

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Context Sensitive Objectives

Comments Received from Public	Context Sensitive Objectives
<ul style="list-style-type: none">▪ Better maintenance▪ Road needs to be resurfaced▪ Concern regarding road conditions▪ Maintenance should be good quality and subtle▪ Identify long-term solutions for maintenance▪ Eliminate need for frequent small maintenance projects	<ul style="list-style-type: none">▪ Improve ability to perform adequate maintenance operations appropriate to place.
<ul style="list-style-type: none">▪ Tourist traffic is difficult▪ Slow moving trucks and RVs▪ Summer traffic is really heavy for the size of the road▪ There is a safety problem when it comes to bicycles	<ul style="list-style-type: none">▪ Balance the needs of the different modes of transportation
<ul style="list-style-type: none">▪ Turnouts are needed▪ No more ugly barriers▪ Improvements need to be sensitive in order to preserve landscape quality▪ Provide an alternative route for traffic to avoid Calf Creek and reduce traffic in Boulder	<ul style="list-style-type: none">▪ Incorporate safety improvements that are consistent with the context of the roadway and environment.

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Context Sensitive Objectives

Comments Received from Public (cont'd.)	Context Sensitive Objectives
<ul style="list-style-type: none">▪ Preserve Calf Creek	<ul style="list-style-type: none">▪ Preserve water resources
<ul style="list-style-type: none">▪ Use science, research, and facts in making decisions.	<ul style="list-style-type: none">▪ Incorporate science, research, and facts into an open decision-making process
<ul style="list-style-type: none">▪ Address safety along SR-12▪ Other areas along SR-12 need improvements▪ Dangerous curves located near Boulder▪ Danger from cattle on the road	<ul style="list-style-type: none">▪ Improve Safety on SR-12

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Need for the Proposed Project

Problems Associated with Maintaining the Road

- ~ RS-2477 Right-of-Way /Wilderness Study Areas
- ~ Bridges
- ~ Roadway Surface
- ~ Slope/Shoulder Stability
- ~ Drainage
- ~ Barriers and Guardrails
- ~ Miscellaneous Maintenance and Operation

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Need for the Proposed Project

Problems Associated with Safety

- ~ Traffic and Travel Speeds
- ~ Geometrics
- ~ Road Width (Travel Lanes and Shoulders)
- ~ Sight Distance
- ~ Accident Data
- ~ Summary

Problems Associated with Multiple User Groups

- ~ Traffic Mix
- ~ Traffic Flow
- ~ Bicycle Use
- ~ Roadside Parking

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SR-12 Identified Objectives

CSC, Public, and Agency

- Meet the varied transportation needs
- Preserve the history and contribute to the economics and culture of the community
- Meet the needs of the natural environment
- Maintain the character of the road
- Maintain and enhance the visual appeal
- Define right-of-way
- Provide long term solutions for needs
- Improve ability to perform adequate maintenance operations appropriate to place
- Preserve water resources
- Incorporate science, research, and facts into open decision-making process

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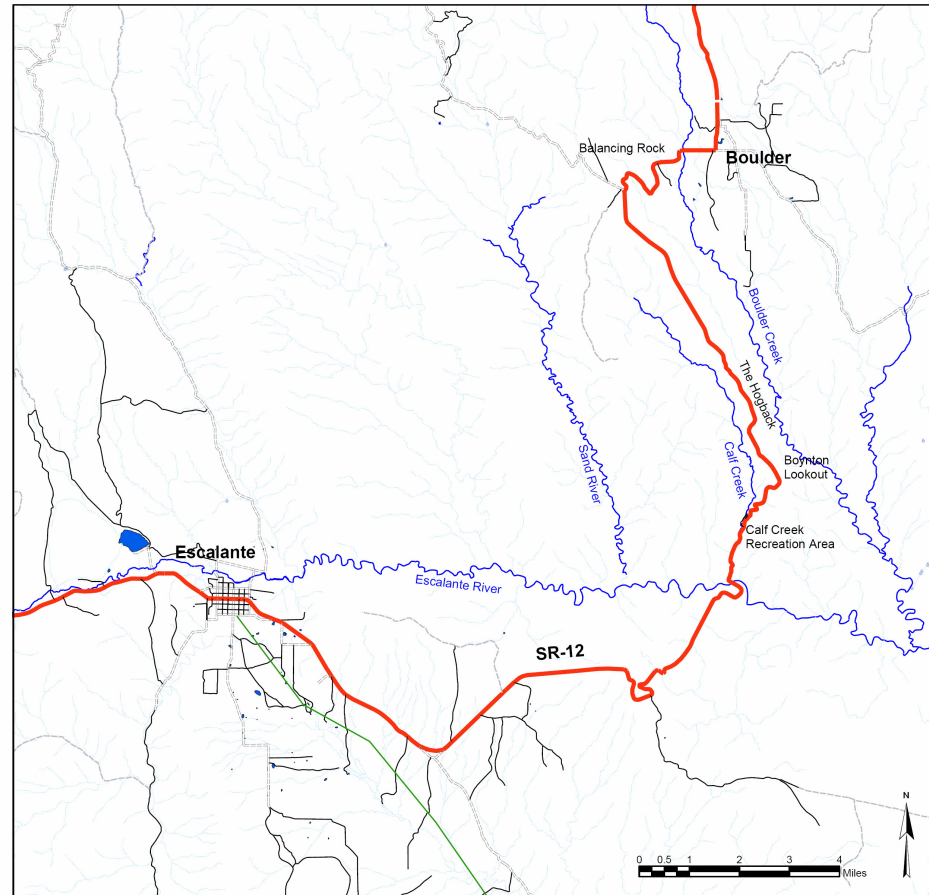
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Conceptual Solutions - Do Nothing

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Legend

- Interstate
- State Route
- Rural Road
- Local Road
- Unimproved Road
- Unimproved Road
- Historic Trails
- Stream
- Intermittent Stream
- Lakes
- Springs



GIS data and product accuracy may vary. Data sources for this map include AGRC, BLM Grand Staircase Escalante National Monument, and Utah Department of Natural Resources.

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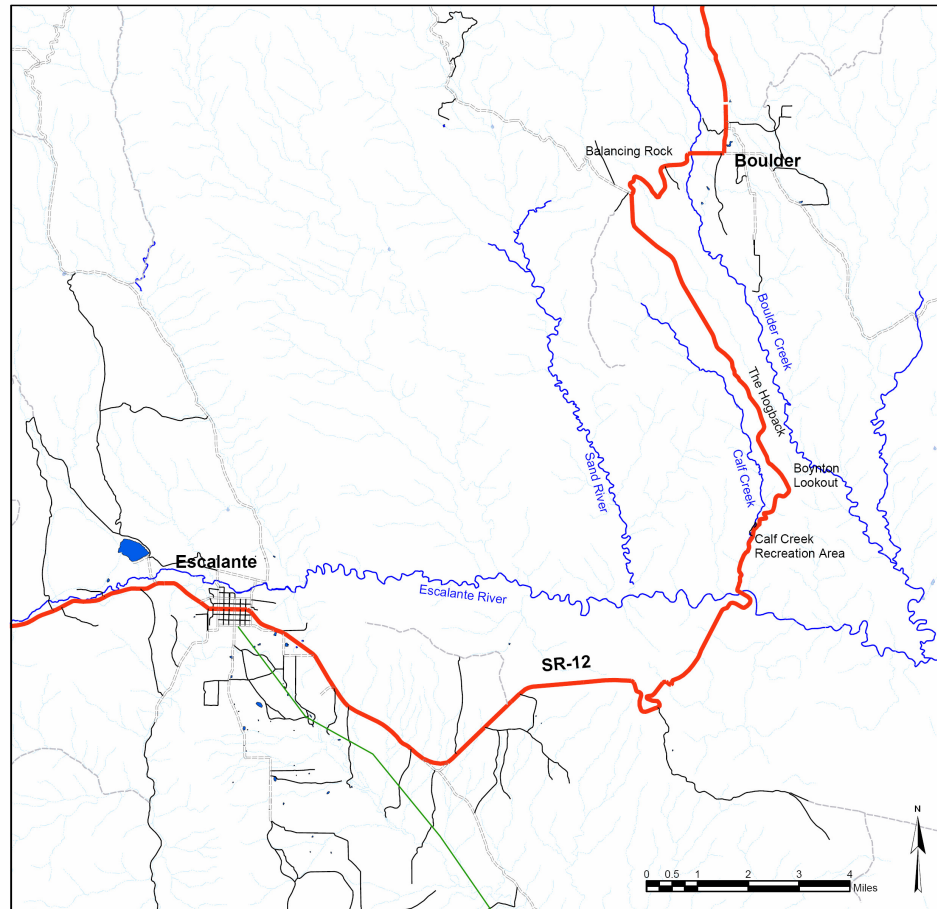
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Conceptual Solutions - Do Nothing with Right-of-Way Acquisition

SR-12 ESCALANTE TO BOULDER

Legend

- Interstate
- State Route
- Rural Road
- Local Road
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Conceptual Solutions - Improve Animal Control

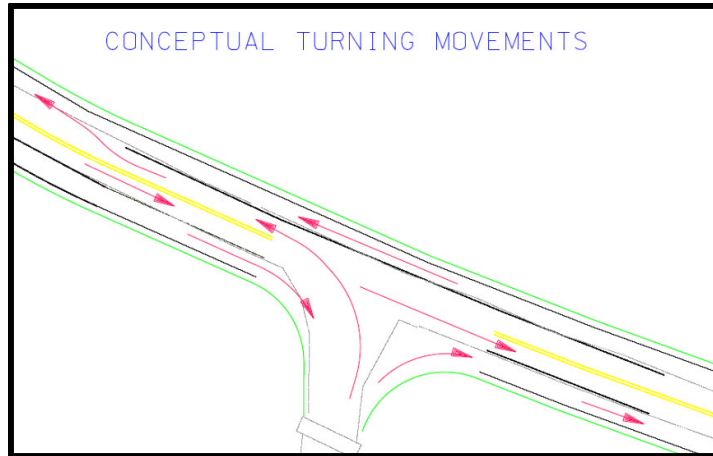


Animal Control Signing Options

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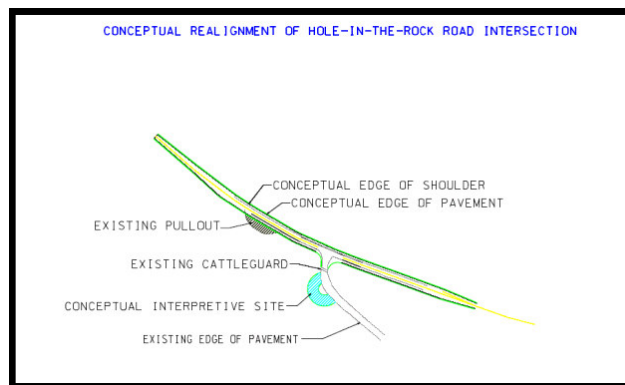
Conceptual Solutions - Improve Access at Intersections



Conceptual Turning Movements



Sight Distance at Hole-in-the-Rock Road Intersection
- Looking West



Conceptual Realignment of Hole-in-the-Rock
Road Intersection

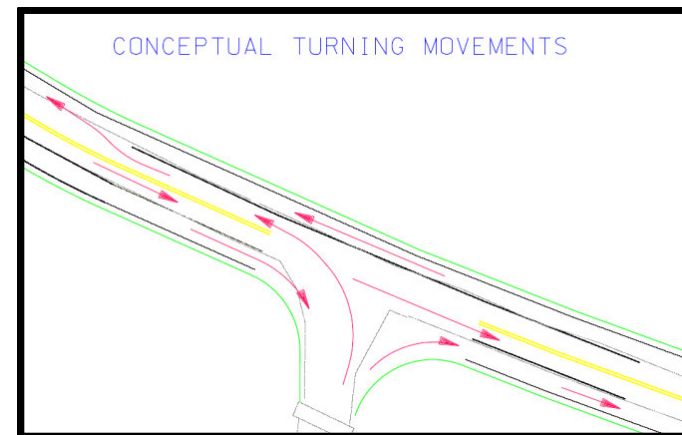


Sight Distance at Hole-in-the-Rock Road Intersection
- Looking East

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Conceptual Solutions - Improve Access at Intersections



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Conceptual Solutions - Improve Access at Intersections



Existing Pullout at Boynton Overlook



Location of Possible Expanded Parking Area
at Boynton Overlook

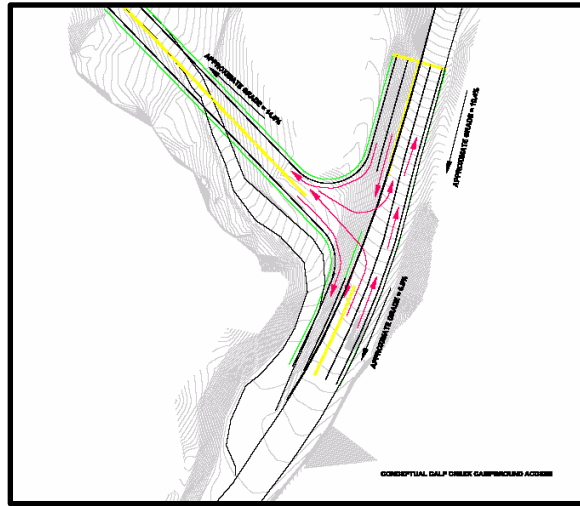


Possible Pullout Configuration

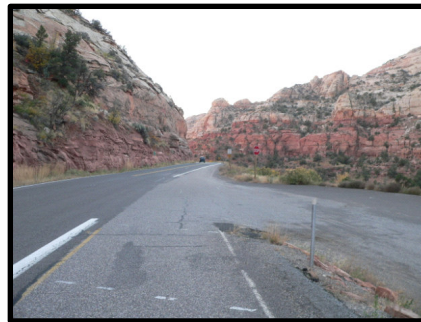
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Conceptual Solutions - Improve Access at Intersections



Conceptual Turning Movement at Calf Creek Campground



Access to Calf Creek Campground



View of Possible New Alignment to Calf Creek Campground

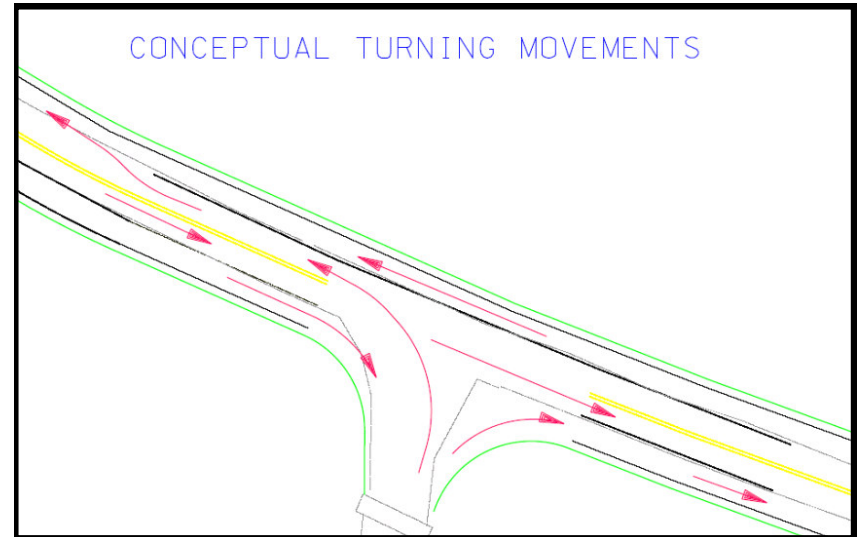
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Conceptual Solutions - Improve Access at Intersections



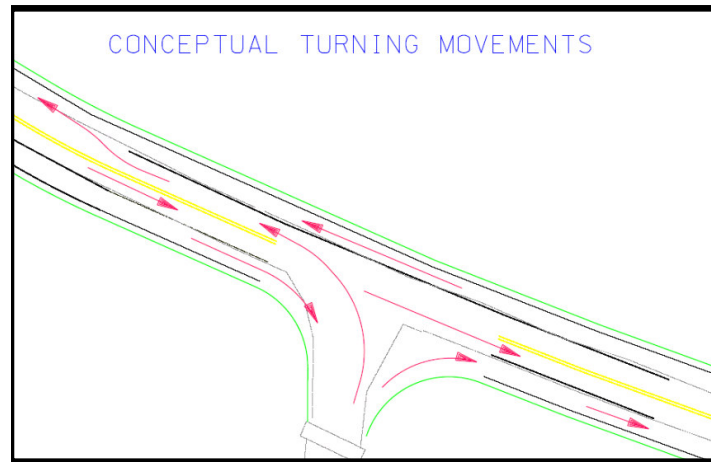
Hell's Backbone Access



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Conceptual Solutions - Improve Access at Intersections



View from Access to Boulder Landfill



View from Access to Boulder Landfill

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Conceptual Solutions - Widen Roadway Shoulder



Section 1 - Original Photo



Section 1 - 2 Foot Shoulders



Section 1 - 4 Foot Shoulders



Section 1 - 6 Foot Shoulders

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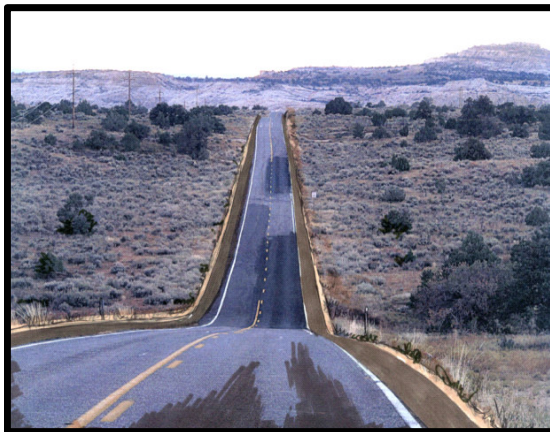
Conceptual Solutions - Widen Roadway Shoulder



Camel Backs - Original Photo



Camel Backs - 2 Foot Shoulders



Camel Backs - 4 Foot Shoulders



Camel Backs - 6 Foot Shoulders

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Conceptual Solutions - Widen Roadway Shoulder



Calf Creek Area - Original Photo



Calf Creek Area - 2 Foot Shoulders



Calf Creek Area - 4 Foot Shoulders

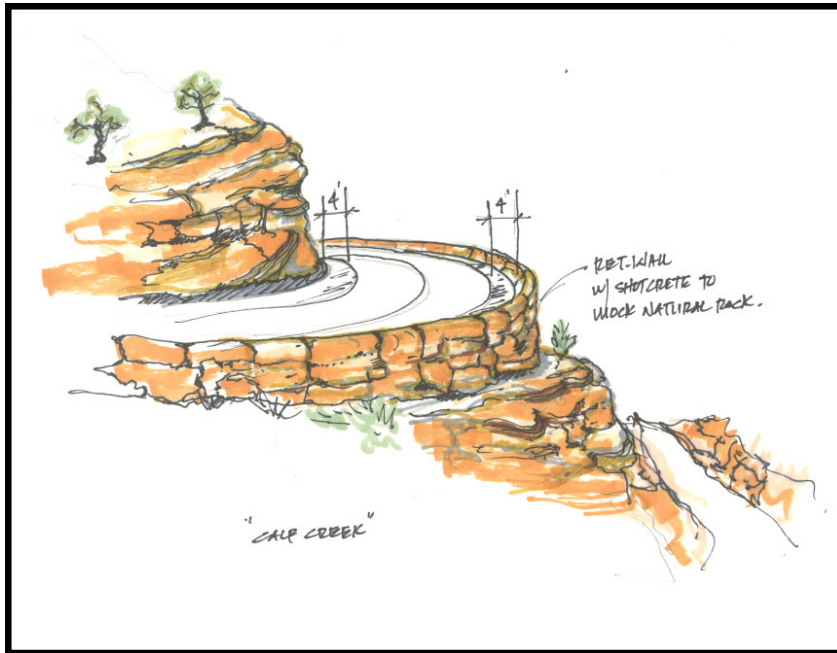


Calf Creek Area - 6 Foot Shoulders

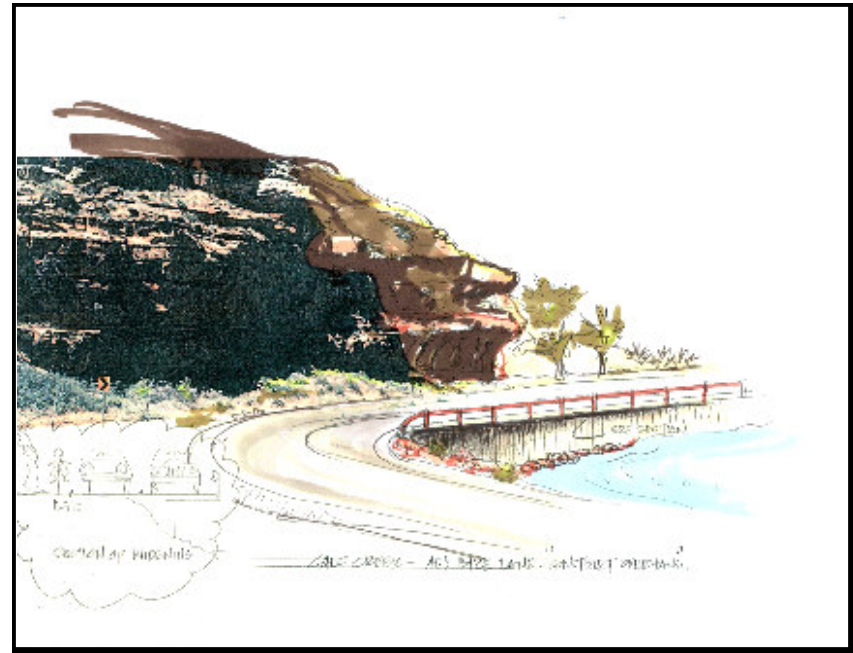
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Conceptual Solutions - Widen Roadway Shoulder



Calf Creek



Calf Creek

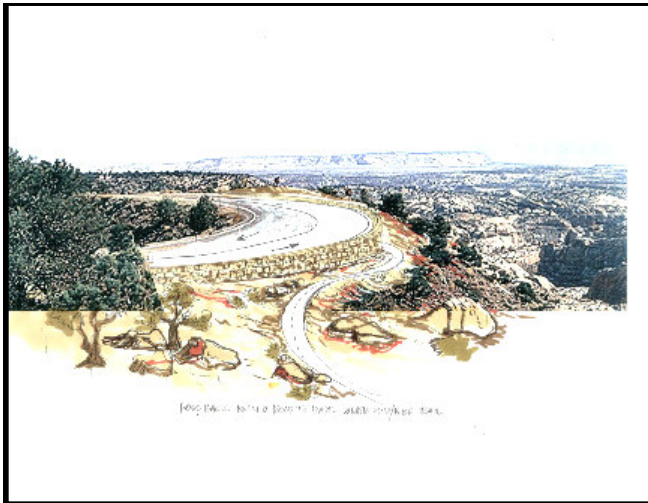
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Conceptual Solutions - Widen Roadway Shoulder



Hogsback - Before



Hogsback - After

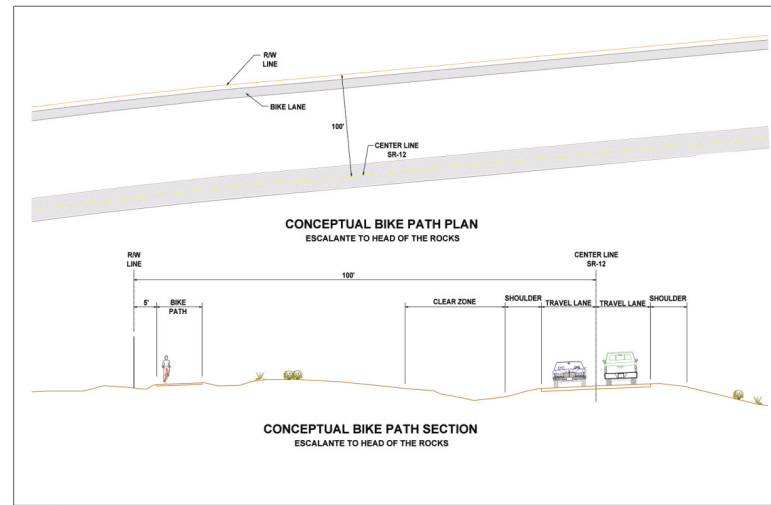


Hogsback - After

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Conceptual Solutions - Accommodate Bicycles

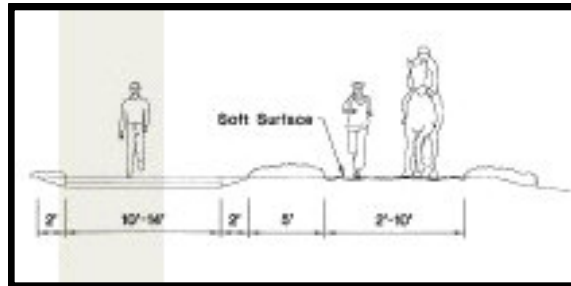
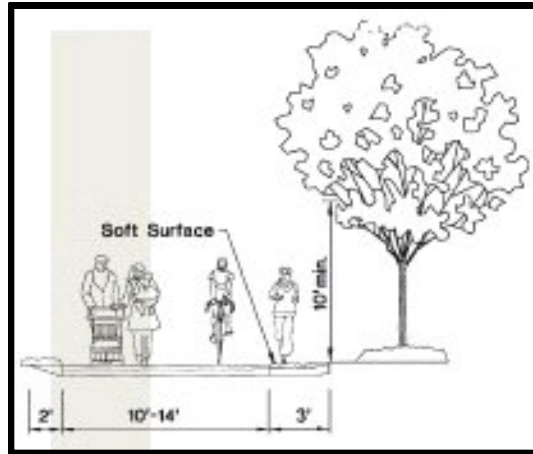


Bicycle Signing

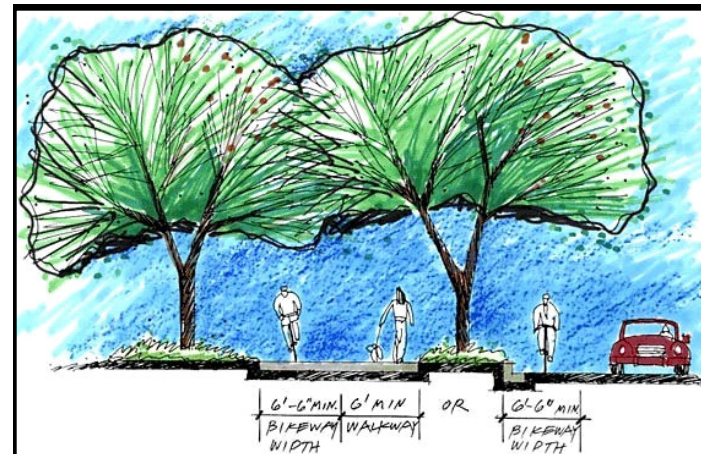
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Conceptual Solutions - Accommodate Bicycles



Multi-Use Bicycle Path Concepts



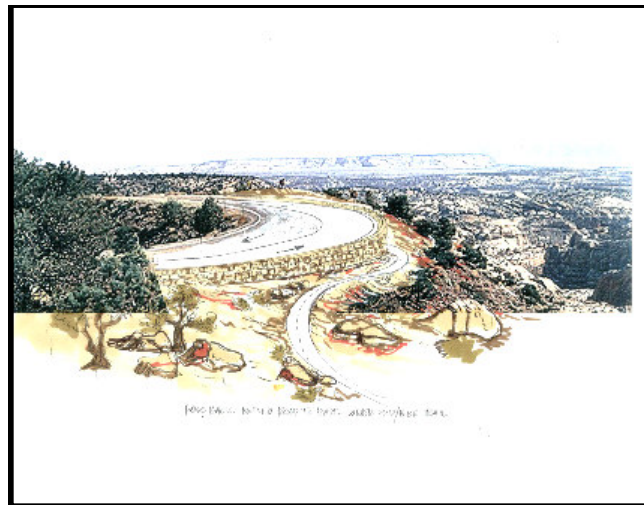
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Conceptual Solutions - Accommodate Bicycles



Hogsback - Before



Hogsback - After

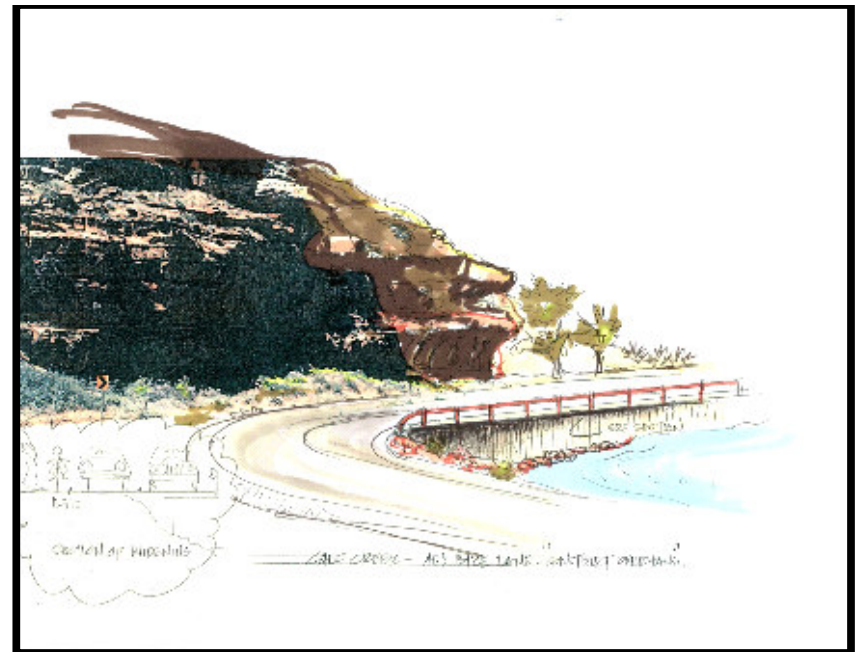
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Conceptual Solutions - Accommodate Bicycles



Calf Creek - Before

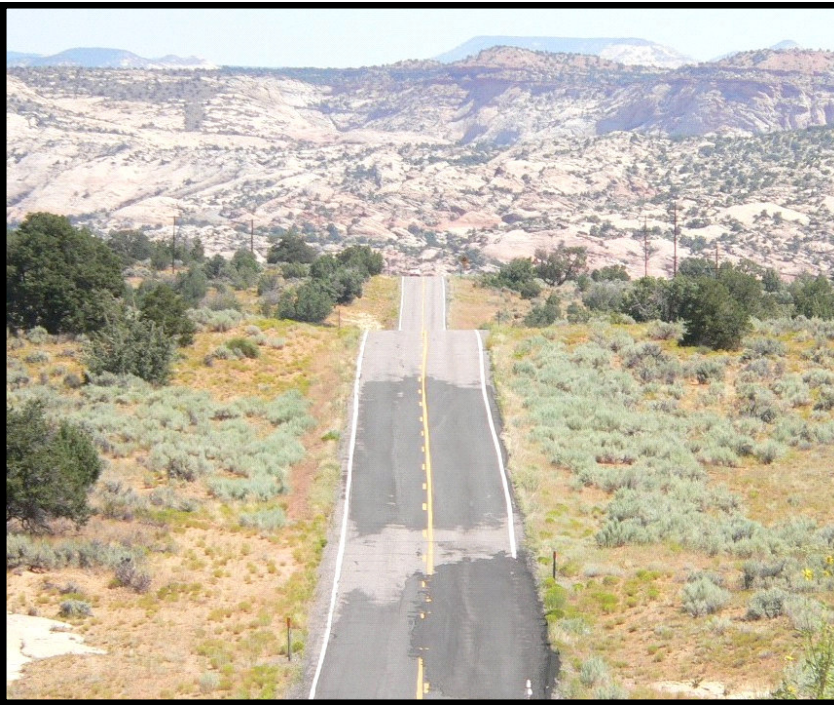


Calf Creek - After

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Conceptual Solutions - Provide Passing Opportunity



Camel Backs - Before



Camel Backs - After

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Conceptual Solutions - Improve Speed Transitions



Pavement Speed Transition Options



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Conceptual Solutions - Improve Speed Transitions



Pavement Speed Transition Options



Rumble Strips

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Conceptual Solutions - Improve Speed Transitions



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Conceptual Solutions - Improve Geometrics/Flatten Curves



The Tank - Before



The Tank - After

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Conceptual Solutions - Improve/Provide Barrier



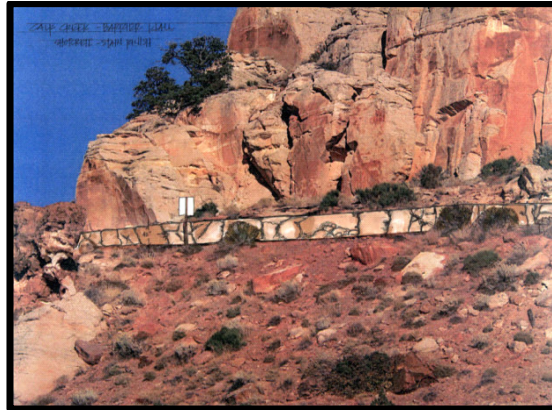
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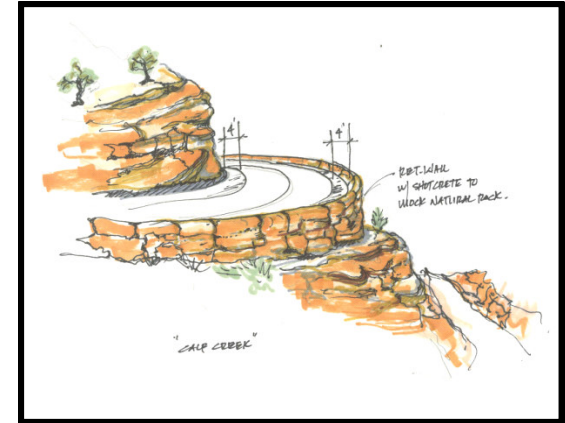
Conceptual Solutions - Improve/Provide Barrier



Barrier above Calf Creek Campground -
Original Photo



Barrier above Calf Creek Campground -
Aesthetic Barrier



Barrier above Calf Creek Campground -
Aesthetic Barrier



Hogback -
Aesthetic Barrier

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Possible Solutions to Carry Forward

Do You Agree or Disagree?

- Do Nothing
- Educational Improvements
- Develop a Maintenance Plan for this Section of SR-12
- Obtain Right-of-Way
- Improve Signing and Striping
- Improve Intersection at Hole-in-the-Rock Road
- Improve Intersection at Calf Creek Campground
- Replace Calf Creek Bridge and Realign Calf Creek

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Possible Solutions That Need Further Input

What are the Best Options?

- Speed Limit Modifications
- Speed and Parking Enforcement
- Widen Shoulders
- Accommodate Bicycles
- Add Rumble Strips
- Provide Passing Opportunities
- Improve Speed Transitions
- Realign Sections of Roadway
- Improve Clear Zone
- Improve Sight Distance

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Possible Solutions *Not* to Carry Forward Do You Agree or Disagree?

- Restrict Bicycles on SR-12
- Build a Bypass Around SR-12
- Widen Shoulders by 6 or 8 Feet
- Accommodate Bicycles by adding a Separate Bicycle Path
- Improve Animal Control with Wildlife Fencing and Crossings